

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of making a membrane electrode assembly for an electrochemical fuel cell comprising:

providing a first gas diffusion layer;

providing a one-sided catalyst coated membrane having a first catalyst layer coated on an ion-exchange membrane;

providing a gas diffusion electrode having a sintered catalyst layer coated on a second gas diffusion layer, wherein sintering of the catalyst layer is at a temperature between about 330°C and 420°C;

bonding the first gas diffusion layer to the one-sided catalyst coated membrane such that the first catalyst layer is interposed between the first gas diffusion layer and the ion-exchange membrane; and

bonding the gas diffusion electrode to the one-sided catalyst coated membrane such that the sintered catalyst layer is interposed between the second gas diffusion layer and the ion-exchange membrane.

2. (Original) The method of claim 1 wherein both bonding steps occur simultaneously.

3. (Previously Presented) The method of claim 1 further comprising applying an ionomer solution to the surface of the sintered catalyst layer before the step of bonding the gas diffusion electrode.

4. (Previously Presented) The method of claim 1 wherein the sintered catalyst layer is the anode catalyst layer.

5. (Original) The method of claim 4 wherein the anode catalyst layer comprises a porosity-reducing additive.

6. (Previously Presented) The method of claim 5 wherein the porosity-reducing additive comprises polytetrafluoroethylene.

7. (Previously Presented) The method of claim 6 wherein the anode catalyst composition comprises between 5% and 32% by weight polytetrafluoroethylene.

8. (Original) The method of claim 6 wherein the anode catalyst composition comprises between 10% and 29% polytetrafluoroethylene.

9. (Original) The method of claim 6 wherein the porosity-reducing additive further comprises acetylene carbon black.

10. (Previously Presented) The method of claim 4 wherein the step of providing the gas diffusion electrode comprises coating the anode catalyst layer on one side of the second gas diffusion layer and then sintering the catalyst coated gas diffusion layer to yield the sintered catalyst layer coated on the second gas diffusion layer.

11. (Cancelled)

12. (Previously Presented) The method of claim 10 wherein the step of providing the gas diffusion electrode further comprises applying an ionomer solution to the surface of the anode catalyst layer after sintering.

13. (Cancelled)